H05VVH6-F Elevator Platform Cable

Eland Product Group: A1T

APPLICATION
Elevator Platform H05VVH6-F Cable is a flat travelling PVC cable used in conveyor and hoist equipment. This cable is suitable for internal and panoramic elevator applications with a freely suspended length up to 45 metres.

CHARACTERISTICS

Voltage Rating Uo/U
300/500V

Temperature Rating
Flexed: -20°C to +70°C

Minimum Bending Radius
Flexed: 8 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible copper conductor

Insulation
PVC (Polyvinyl Chloride)

Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black with ○ White numbers
● Green/Yellow earth conductor

Sheath Colour
● Black

STANDARDS

BS EN 60228, BS EN 50124
Flame Retardant according to BS EN/IEC 60332-1-2

ISO/IEC 17025 LABORATORY TESTED
This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.

REGULATORY COMPLIANCE
This cable is compliant with European Regulation EN 50575, the Construction Products Regulation.

This cable meets the requirements of the Low Voltage Directive 2014/35/EU and the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark®.
## DIMENSIONS

<table>
<thead>
<tr>
<th>ELAND PART NO.</th>
<th>NO. OF CORES</th>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>NOMINAL DIAMETER OVER CONDUCTOR mm</th>
<th>NOMINAL THICKNESS OF INSULATION mm</th>
<th>CABLE DIMENSIONS WIDTH mm</th>
<th>NOMINAL WEIGHT kg/km</th>
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<tbody>
<tr>
<td>A1TR060075BK</td>
<td>6</td>
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<td>450</td>
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## CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

<table>
<thead>
<tr>
<th>NOMINAL CROSS SECTIONAL AREA mm²</th>
<th>MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm</th>
<th>MAXIMUM RESISTANCE OF CONDUCTOR AT 20ºC ohms/km</th>
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<tbody>
<tr>
<td>0.75</td>
<td>0.21</td>
<td>Plain Wires 26</td>
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The above table is in accordance with BS EN 60228 (previously BS 6360)

## ELECTRICAL CHARACTERISTICS

**Electrical Properties**
- Rated Voltage: 0.75 – 1.0 mm² 300/500V (rms)
- Test Voltage: 2kV (rms)/15 minutes

**Mechanical Properties**
- Free Suspension Length: Maximum 45m
- Travelling Height: Maximum 80m
- Running Speed: Maximum 6.3m/s

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.